

ABSTRACT OF THE DISCLOSURE

A method and apparatus for use in encrypting and decrypting digital communications converting an initial block to final block based on freely selectable control information and secret key information having double the length of prior art keys and maintaining compatibility with the prior art encryption system.

Variable	Unit	Value	Source
Population	Millions	1.2	World Bank
GDP	Millions of US\$	100	World Bank
Per capita income	US\$	83	World Bank
Life expectancy	Years	65	World Bank
Urban population	Percentage	45	World Bank
Employment	Thousands	150	World Bank
Unemployment	Percentage	15	World Bank
Government expenditure	Percentage of GDP	10	World Bank
Private investment	Percentage of GDP	5	World Bank
Foreign aid	Millions of US\$	50	World Bank
Trade balance	Millions of US\$	-20	World Bank
Export	Millions of US\$	10	World Bank
Import	Millions of US\$	30	World Bank
Energy consumption	Thousands of tons of oil equivalent	100	World Bank
Renewable energy	Percentage of total energy	80	World Bank
Forest cover	Percentage of land area	30	World Bank
Water resources	Cubic kilometers	1000	World Bank
Health expenditure	Percentage of GDP	2	World Bank
Education expenditure	Percentage of GDP	3	World Bank
Research and development	Percentage of GDP	0.5	World Bank
Infrastructure investment	Percentage of GDP	4	World Bank
Environmental protection	Percentage of GDP	1	World Bank
Disaster preparedness	Percentage of GDP	0.5	World Bank
Gender equality	Index	0.5	World Bank
Corruption	Index	0.2	World Bank
Political stability	Index	0.3	World Bank
Legal system	Index	0.4	World Bank
Justice system	Index	0.3	World Bank
Security forces	Index	0.4	World Bank
Human rights	Index	0.3	World Bank
Minority rights	Index	0.2	World Bank
Religious freedom	Index	0.4	World Bank
Press freedom	Index	0.3	World Bank
Internet access	Percentage of population	10	World Bank
Mobile phone usage	Percentage of population	20	World Bank
Electricity access	Percentage of population	50	World Bank
Water access	Percentage of population	60	World Bank
Sanitation access	Percentage of population	40	World Bank
Healthcare access	Percentage of population	70	World Bank
Education access	Percentage of population	80	World Bank
Employment access	Percentage of population	90	World Bank
Unemployment access	Percentage of population	10	World Bank
Government access	Percentage of population	50	World Bank
Private sector access	Percentage of population	40	World Bank
Foreign investment access	Percentage of population	30	World Bank
Trade access	Percentage of population	20	World Bank
Export access	Percentage of population	10	World Bank
Import access	Percentage of population	10	World Bank
Energy access	Percentage of population	50	World Bank
Renewable energy access	Percentage of population	80	World Bank
Forest access	Percentage of population	30	World Bank
Water access	Percentage of population	60	World Bank
Sanitation access	Percentage of population	40	World Bank
Healthcare access	Percentage of population	70	World Bank
Education access	Percentage of population	80	World Bank
Employment access	Percentage of population	90	World Bank
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